

Appendix table 1-1

**Percentage of high school graduates taking selected mathematics and science courses in high school, by sex: 1990, 1994, and 1998**

| Course                 | 1990  |      |        | 1994  |      |        | 1998  |      |        |
|------------------------|-------|------|--------|-------|------|--------|-------|------|--------|
|                        | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| Mathematics            |       |      |        |       |      |        |       |      |        |
| Geometry.....          | 63.2  | 62.1 | 64.2   | 70.0  | 64.3 | 72.2   | 75.1  | 73.7 | 77.3   |
| Algebra II.....        | 52.9  | 51.0 | 54.6   | 61.1  | 57.7 | 61.6   | 61.7  | 59.8 | 63.7   |
| Trigonometry.....      | 9.6   | 9.8  | 9.4    | 11.7  | 11.1 | 12.3   | 8.9   | 8.2  | 9.7    |
| Precalculus.....       | 13.4  | 14.0 | 12.8   | 17.3  | 16.3 | 18.3   | 23.1  | 23.0 | 22.9   |
| Calculus.....          | 6.5   | 7.5  | 5.6    | 9.3   | 9.5  | 9.1    | 11.0  | 11.2 | 10.6   |
| Science                |       |      |        |       |      |        |       |      |        |
| Biology.....           | 90.9  | 89.4 | 92.3   | 93.2  | 91.8 | 94.5   | 92.7  | 91.4 | 94.1   |
| AP/honors biology..... | 10.1  | 9.4  | 10.8   | 11.9  | 10.9 | 12.8   | 16.2  | 14.5 | 18.0   |
| Chemistry.....         | 48.9  | 47.7 | 50.0   | 55.8  | 52.9 | 58.5   | 60.4  | 57.1 | 63.5   |
| Physics.....           | 21.5  | 25.4 | 18.0   | 24.5  | 27.0 | 22.2   | 28.8  | 31.7 | 26.2   |
| Engineering.....       | 4.2   | 4.4  | 4.1    | 4.5   | 3.9  | 5.0    | 6.7   | 7.1  | 6.5    |

**NOTES:** Numbers have been revised from previously published figures. These data only report the percentage of students who earned credit in each course while in high school and do not count those students who took these courses prior to entering high school. Included in the totals but not shown separately are graduates whose sex was not reported.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, High School Transcript Study, 1990, 1994, and 1998

Appendix table 1-2

**Percentage of high school graduates taking selected mathematics and science courses in high school, by race/ethnicity: 1990, 1994, and 1998**

| Course                    | 1990  |       |          |                               |  | 1994  |       |          |                               |  | 1998  |       |          |                               |  |
|---------------------------|-------|-------|----------|-------------------------------|--|-------|-------|----------|-------------------------------|--|-------|-------|----------|-------------------------------|--|
|                           | White | Black | Hispanic | Asian/<br>Pacific<br>Islander | American<br>Indian/<br>Alaskan<br>Native | White | Black | Hispanic | Asian/<br>Pacific<br>Islander | American<br>Indian/<br>Alaskan<br>Native | White | Black | Hispanic | Asian/<br>Pacific<br>Islander | American<br>Indian/<br>Alaskan<br>Native |
| Mathematics               |       |       |          |                               |  |       |       |          |                               |  |       |       |          |                               |  |
| Geometry .....            | 65.5  | 55.8  | 53.2     | 70.7                          | 54.8                                     | 72.4  | 58.1  | 68.8     | 75.7                          | 60.0                                     | 77.7  | 72.5  | 62.3     | 75.9                          | 57.2                                     |
| Algebra II.....           | 53.1  | 40.6  | 35.1     | 60.9                          | 47.1                                     | 61.6  | 43.9  | 49.6     | 66.2                          | 42.2                                     | 64.6  | 55.6  | 48.3     | 70.1                          | 46.6                                     |
| Trigonometry.....         | 10.0  | 6.2   | 7.6      | 21.2                          | 10.7                                     | 13.3  | 7.2   | 7.2      | 15.8                          | 5.3                                      | 10.0  | 4.8   | 5.6      | 11.7                          | 5.5                                      |
| Analysis/precalculus..... | 14.8  | 6.1   | 7.2      | 25.3                          | 7.5                                      | 18.2  | 9.7   | 13.7     | 33.7                          | 8.7                                      | 25.0  | 13.8  | 15.3     | 41.3                          | 16.4                                     |
| Calculus.....             | 6.9   | 2.7   | 3.8      | 18.5                          | 4.1                                      | 9.6   | 3.8   | 6.0      | 23.6                          | 3.8                                      | 12.1  | 6.6   | 6.2      | 18.4                          | 6.2                                      |
| Science                   |       |       |          |                               |  |       |       |          |                               |  |       |       |          |                               |  |
| Biology.....              | 91.3  | 91.1  | 90.1     | 90.4                          | 89.4                                     | 94.3  | 91.8  | 93.7     | 91.5                          | 91.8                                     | 93.7  | 92.8  | 86.5     | 92.9                          | 91.3                                     |
| AP/honors biology.....    | 10.5  | 7.7   | 6.7      | 13.4                          | 3.8                                      | 12.5  | 7.7   | 11.0     | 18.2                          | 6.2                                      | 16.7  | 15.4  | 12.6     | 22.2                          | 6.0                                      |
| Chemistry.....            | 51.4  | 40.0  | 38.1     | 63.6                          | 34.9                                     | 58.4  | 43.7  | 45.9     | 69.2                          | 41.3                                     | 63.2  | 54.3  | 46.1     | 72.4                          | 46.9                                     |
| Physics.....              | 23.1  | 14.5  | 13.2     | 38.4                          | 14.5                                     | 26.3  | 14.9  | 16.1     | 44.4                          | 10.3                                     | 30.7  | 21.4  | 18.9     | 46.4                          | 16.2                                     |
| Engineering.....          | 4.8   | 1.4   | 0.8      | 3.4                           | 3.2                                      | 4.6   | 3.8   | 3.3      | 3.2                           | 2.2                                      | 7.9   | 4.8   | 2.3      | 5.2                           | 9.6                                      |

**NOTE:** Numbers have been revised from previously published figures. These data only report the percentage of students who earned credit in each course while in high school and do not count those students who took these courses prior to entering high school.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, High School Transcript Study, 1990, 1994, and 1998.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002*

Appendix table 1-3

**Average total units completed by the 12th grade in high school mathematics and science, and average grades received in mathematics and science, by disability status: 1992**

| Disability status                   | Average mathematics units | Average science units | Average high school grade in mathematics | Average high school grade in science |
|-------------------------------------|---------------------------|-----------------------|--|--------------------------------------|
| Without disabilities.....           | 2.9                       | 2.7                   | 7.63                                     | 7.43                                 |
| With disabilities.....              | 2.4                       | 2.2                   | 8.37                                     | 8.32                                 |
| Multiple disabilities.....          | 2.5                       | 1.9                   | 8.27                                     | 8.70                                 |
| Learning disability.....            | 2.3                       | 2.1                   | 8.51                                     | 8.60                                 |
| Health problems.....                | 2.4                       | 2.1                   | 8.07                                     | 8.06                                 |
| Physical or emotional problems..... | 2.6                       | 2.1                   | 8.26                                     | 8.25                                 |
| Physical problems.....              | 2.6                       | 2.3                   | 7.98                                     | 7.89                                 |
| Emotional problems.....             | 2.5                       | 1.8                   | 8.67                                     | 8.92                                 |
| Sensory.....                        | 2.4                       | 2.2                   | 8.12                                     | 8.08                                 |

**NOTES:** Students' disability status was reported by a parent. High school credit units in mathematics and science are as reported on students' high school transcripts. Grade average is based on a 1–13 scale, where 1.0 = A+ and 13 = F. Students represent those who were in 8th grade in a U.S. school in 1988 and were in 12th grade in 1992.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, *Profiles of Students With Disabilities as Identified in NELS:88*, NCES 97-254 (Washington, DC, 1997).

Appendix table 1-4

**Number and percentage distribution of students who took AP examinations, by examination subject, sex, and race/ethnicity: 2000**

| Race/ethnicity                      | All AP exams |         |         | Biology |        |         | Chemistry |        |         | Calculus AB |        |         | Calculus BC |        |         |
|-------------------------------------|--------------|---------|---------|---------|--------|---------|-----------|--------|---------|-------------|--------|---------|-------------|--------|---------|
|                                     | Total        | Males   | Females | Total   | Males  | Females | Total     | Males  | Females | Total       | Males  | Females | Total       | Males  | Females |
| Number                              |              |         |         |         |        |         |           |        |         |             |        |         |             |        |         |
| All students.....                   | 747,922      | 332,731 | 415,191 | 85,215  | 35,917 | 49,298  | 51,293    | 28,758 | 22,535  | 133,516     | 70,479 | 63,037  | 33,668      | 20,769 | 12,899  |
| White.....                          | 504,600      | 229,635 | 274,965 | 56,884  | 23,888 | 32,996  | 33,486    | 19,330 | 14,156  | 92,848      | 49,931 | 42,917  | 21,359      | 13,528 | 7,831   |
| Asian/Asian American.....           | 85,756       | 40,270  | 45,486  | 13,785  | 6,212  | 7,573   | 10,255    | 5,509  | 4,746   | 20,280      | 10,204 | 10,076  | 8,506       | 4,912  | 3,594   |
| Black/African American.....         | 36,158       | 12,539  | 23,619  | 3,859   | 1,180  | 2,679   | 1,850     | 786    | 1,064   | 5,480       | 2,311  | 3,169   | 614         | 323    | 291     |
| Hispanic.....                       | 74,852       | 29,133  | 45,719  | 5,104   | 2,100  | 3,004   | 2,480     | 1,336  | 1,144   | 7,617       | 4,030  | 3,587   | 1,136       | 720    | 416     |
| Chicano/Mexican American.....       | 39,799       | 15,443  | 24,356  | 2,426   | 1,023  | 1,403   | 1,205     | 633    | 572     | 4,145       | 2,212  | 1,933   | 457         | 287    | 170     |
| Puerto Rican.....                   | 5,208        | 2,076   | 3,132   | 453     | 184    | 269     | 226       | 129    | 97      | 566         | 297    | 269     | 88          | 57     | 31      |
| Other Hispanic.....                 | 29,845       | 11,614  | 18,231  | 2,225   | 893    | 1,332   | 1,049     | 574    | 475     | 2,906       | 1,521  | 1,385   | 591         | 376    | 215     |
| American Indian/Alaskan Native..... | 3,584        | 1,618   | 1,966   | 336     | 158    | 178     | 235       | 122    | 113     | 495         | 289    | 206     | 97          | 62     | 35      |
| Other.....                          | 25,475       | 11,513  | 13,962  | 3,271   | 1,478  | 1,793   | 1,841     | 1,010  | 831     | 4,144       | 2,269  | 1,875   | 1,183       | 739    | 444     |
| Not stated.....                     | 17,497       | 8,023   | 9,474   | 1,976   | 901    | 1,075   | 1,146     | 665    | 481     | 2,652       | 1,445  | 1,207   | 773         | 485    | 288     |
| Percent                             |              |         |         |         |        |         |           |        |         |             |        |         |             |        |         |
| All students.....                   | 100.0        | 100.0   | 100.0   | 100.0   | 100.0  | 100.0   | 100.0     | 100.0  | 100.0   | 100.0       | 100.0  | 100.0   | 100.0       | 100.0  | 100.0   |
| White.....                          | 67.5         | 69.0    | 66.2    | 66.8    | 66.5   | 66.9    | 65.3      | 67.2   | 62.8    | 69.5        | 70.8   | 68.1    | 63.4        | 65.1   | 60.7    |
| Asian/Asian American.....           | 11.5         | 12.1    | 11.0    | 16.2    | 17.3   | 15.4    | 20.0      | 19.2   | 21.1    | 15.2        | 14.5   | 16.0    | 25.3        | 23.7   | 27.9    |
| Black/African American.....         | 4.8          | 3.8     | 5.7     | 4.5     | 3.3    | 5.4     | 3.6       | 2.7    | 4.7     | 4.1         | 3.3    | 5.0     | 1.8         | 1.6    | 2.3     |
| Hispanic.....                       | 10.0         | 8.8     | 11.0    | 6.0     | 5.8    | 6.1     | 4.8       | 4.6    | 5.1     | 5.7         | 5.7    | 5.7     | 3.4         | 3.5    | 3.2     |
| Chicano/Mexican American.....       | 5.3          | 4.6     | 5.9     | 2.8     | 2.8    | 2.8     | 2.3       | 2.2    | 2.5     | 3.1         | 3.1    | 3.1     | 1.4         | 1.4    | 1.3     |
| Puerto Rican.....                   | 0.7          | 0.6     | 0.8     | 0.5     | 0.5    | 0.5     | 0.4       | 0.4    | 0.4     | 0.4         | 0.4    | 0.4     | 0.3         | 0.3    | 0.2     |
| Other Hispanic.....                 | 4.0          | 3.5     | 4.4     | 2.6     | 2.5    | 2.7     | 2.0       | 2.0    | 2.1     | 2.2         | 2.2    | 2.2     | 1.8         | 1.8    | 1.7     |
| American Indian/Alaskan Native..... | 0.5          | 0.5     | 0.5     | 0.4     | 0.4    | 0.4     | 0.5       | 0.4    | 0.5     | 0.4         | 0.4    | 0.3     | 0.3         | 0.3    | 0.3     |
| Other.....                          | 3.4          | 3.5     | 3.4     | 3.8     | 4.1    | 3.6     | 3.6       | 3.5    | 3.7     | 3.1         | 3.2    | 3.0     | 3.5         | 3.6    | 3.4     |
| Not stated.....                     | 2.3          | 2.4     | 2.3     | 2.3     | 2.5    | 2.2     | 2.2       | 2.3    | 2.1     | 2.0         | 2.1    | 1.9     | 2.3         | 2.3    | 2.2     |

SOURCE: The College Board, *AP 2000 National Summary Reports*, [http://www.collegeboard.com/ap/2000/national\\_2000.pdf](http://www.collegeboard.com/ap/2000/national_2000.pdf).*Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002*

Appendix table 1-5

**Average mathematics and science scale scores in grades 4, 8, and 12, by sex and race/ethnicity: 2000**

| Grade and race/ethnicity            | Mathematics         |                | Science             |                |
|-------------------------------------|---------------------|----------------|---------------------|----------------|
|                                     | Average scale score | Standard error | Average scale score | Standard error |
| Grade 4, all students.....          | 228                 | 0.9            | 150                 | 0.7            |
| Male.....                           | 229                 | 1.0            | 153                 | 0.8            |
| Female.....                         | 226                 | 0.9            | 147                 | 0.8            |
| White.....                          | 236                 | 0.1            | 160                 | 0.8            |
| Black .....                         | 205                 | 1.6            | 124                 | 1.6            |
| Hispanic.....                       | 212                 | 1.5            | 129                 | 1.3            |
| Asian/Pacific Islander.....         | NA                  | NA             | NA                  | NA             |
| American Indian/Alaskan Native..... | 216                 | 2.1            | 140                 | 2.8            |
| Grade 8, all students.....          | 275                 | 0.8            | 151                 | 0.6            |
| Male.....                           | 277                 | 0.9            | 154                 | 0.7            |
| Female.....                         | 274                 | 0.9            | 147                 | 0.8            |
| White.....                          | 286                 | 0.8            | 162                 | 0.7            |
| Black .....                         | 247                 | 1.4            | 122                 | 1.3            |
| Hispanic.....                       | 253                 | 1.5            | 128                 | 1.3            |
| Asian/Pacific Islander.....         | 289                 | 3.4            | 156                 | 2.4            |
| American Indian/Alaskan Native..... | 255                 | 8.3            | 134                 | 3.2            |
| Grade 12, all students.....         | 301                 | 0.9            | 147                 | 1.0            |
| Male.....                           | 303                 | 1.1            | 148                 | 1.1            |
| Female.....                         | 299                 | 0.9            | 145                 | 1.0            |
| White.....                          | 308                 | 1.0            | 154                 | 1.2            |
| Black .....                         | 274                 | 1.9            | 123                 | 1.4            |
| Hispanic.....                       | 283                 | 2.1            | 128                 | 1.9            |
| Asian/Pacific Islander.....         | 319                 | 2.8            | 153                 | 2.5            |
| American Indian/Alaskan Native..... | 293                 | 4.4            | 139                 | 3.6            |

NA not available

**NOTES:** Mathematics scale scores range from 0 to 500 across all three grades; science scale scores range from 0 to 300 for each grade.**SOURCE:** U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, 2000 Mathematics Assessment, 2000 Science Assessment, <http://www.nces.ed.gov/nationsreportcard/naepdata/>.

Appendix table 1-6

**Percentage attaining mathematics proficiency levels on the National Assessment of Educational Progress for grades 4, 8, and 12, by sex and race/ethnicity: 2000**

| Grade and race/ethnicity            | Advanced | At or above proficient | At or above basic | Below basic |
|-------------------------------------|----------|------------------------|-------------------|-------------|
| Grade 4, all students.....          | 3        | 26                     | 69                | 31          |
| Male.....                           | 3        | 28                     | 70                | 30          |
| Female.....                         | 2        | 24                     | 68                | 32          |
| White.....                          | 3        | 34                     | 80                | 20          |
| Black .....                         | —        | 5                      | 39                | 61          |
| Hispanic.....                       | 1        | 10                     | 48                | 52          |
| Asian/Pacific Islander.....         | NA       | NA                     | NA                | NA          |
| American Indian/Alaskan Native..... | 1        | 14                     | 53                | 47          |
| Grade 8, all students.....          | 5        | 27                     | 66                | 34          |
| Male.....                           | 6        | 29                     | 67                | 33          |
| Female.....                         | 4        | 25                     | 65                | 35          |
| White.....                          | 7        | 35                     | 77                | 23          |
| Black .....                         | —        | 6                      | 32                | 68          |
| Hispanic.....                       | 1        | 10                     | 41                | 59          |
| Asian/Pacific Islander.....         | 12       | 40                     | 76                | 24          |
| American Indian/Alaskan Native..... | —        | 9                      | 42                | 58          |
| Grade 12, all students.....         | 2        | 17                     | 65                | 35          |
| Male.....                           | 0        | 20                     | 66                | 34          |
| Female.....                         | 1        | 14                     | 64                | 36          |
| White.....                          | 3        | 20                     | 74                | 26          |
| Black .....                         | —        | 3                      | 31                | 69          |
| Hispanic.....                       | —        | 4                      | 44                | 56          |
| Asian/Pacific Islander.....         | 7        | 34                     | 80                | 20          |
| American Indian/Alaskan Native..... | —        | 10                     | 57                | 43          |

— less than 0.5

NA not available

**NOTES:** Standard errors are included in source publication.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, *The Nation's Report Card: Mathematics 2000*, NCES 2001-517 (Washington, DC, 2001).

Appendix table 1-7

**Trends in average mathematics scale scores by age, sex, and race/ethnicity: 1990–99**

| Age, sex, and race/ethnicity | 1990 | 1992 | 1994 | 1996 | 1999 |
|------------------------------|------|------|------|------|------|
| Age 9, total.....            | 230  | 230  | 231  | 231  | 232  |
| Male.....                    | 229  | 231  | 232  | 233  | 233  |
| Female.....                  | 230  | 228  | 230  | 229  | 231  |
| White.....                   | 235  | 235  | 237  | 237  | 239  |
| Black.....                   | 208  | 208  | 212  | 212  | 211  |
| Hispanic.....                | 214  | 212  | 210  | 215  | 213  |
| Age 13, total.....           | 270  | 273  | 274  | 274  | 276  |
| Male.....                    | 271  | 274  | 276  | 276  | 277  |
| Female.....                  | 270  | 272  | 273  | 272  | 274  |
| White.....                   | 276  | 279  | 281  | 281  | 283  |
| Black.....                   | 249  | 250  | 252  | 252  | 251  |
| Hispanic.....                | 255  | 259  | 256  | 256  | 259  |
| Age 17, total.....           | 305  | 307  | 306  | 307  | 308  |
| Male.....                    | 306  | 309  | 309  | 310  | 310  |
| Female.....                  | 303  | 305  | 304  | 305  | 307  |
| White.....                   | 309  | 312  | 312  | 313  | 315  |
| Black.....                   | 289  | 286  | 286  | 286  | 283  |
| Hispanic.....                | 284  | 292  | 291  | 292  | 293  |

**NOTES:** Other racial/ethnic groups are not reported, as the samples were of insufficient size to analyze and report separately. Standard errors are included in the source publication.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, Results Over Time—NAEP 1999 Long-Term Trend Summary Data Tables (2000), National Assessment of Educational Progress: The Nation's Report Card, <http://nces.ed.gov/nationsreportcard/tables/Lt1999/>.

Appendix table 1-8

**Trends in average science scale scores by age, sex, and race/ethnicity: 1990–99**

| Age, sex, and race/ethnicity | 1990 | 1992 | 1994 | 1996 | 1999 |
|------------------------------|------|------|------|------|------|
| Age 9, total.....            | 229  | 231  | 231  | 230  | 229  |
| Male.....                    | 230  | 235  | 232  | 232  | 231  |
| Female.....                  | 227  | 227  | 230  | 228  | 228  |
| White.....                   | 237  | 239  | 240  | 239  | 240  |
| Black.....                   | 196  | 200  | 201  | 202  | 199  |
| Hispanic.....                | 206  | 205  | 201  | 207  | 206  |
| Age 13, total.....           | 255  | 258  | 257  | 256  | 257  |
| Male.....                    | 259  | 260  | 259  | 260  | 259  |
| Female.....                  | 252  | 256  | 254  | 252  | 253  |
| White.....                   | 264  | 267  | 267  | 266  | 266  |
| Black.....                   | 226  | 224  | 224  | 226  | 227  |
| Hispanic.....                | 232  | 238  | 232  | 232  | 227  |
| Age 17, total.....           | 290  | 294  | 294  | 296  | 295  |
| Male.....                    | 296  | 299  | 300  | 300  | 300  |
| Female.....                  | 285  | 289  | 289  | 292  | 291  |
| White.....                   | 301  | 304  | 306  | 307  | 306  |
| Black.....                   | 253  | 256  | 257  | 260  | 254  |
| Hispanic.....                | 261  | 270  | 261  | 269  | 276  |

**NOTES:** Other racial/ethnic groups are not reported, as the samples were of insufficient size to analyze and report separately. Standard errors are included in the source publication.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, Results Over Time—NAEP 1999 Long-Term Trend Summary Data Tables (2000), National Assessment of Educational Progress: The Nation's Report Card, <http://nces.ed.gov/nationsreportcard/tables/Ltt1999/>.

## Appendix table 1-9

**Teacher reports of computer and Internet availability and use in public schools, by minority enrollment of school: 1999**

(Percent of teachers reporting)

| Indicator of computer and Internet availability and use                  | Total | Minority enrollment in school |                 |                  |                    |
|--|-------|-------------------------------|-----------------|------------------|--------------------|
|  |       | Less than 6 percent           | 6 to 20 percent | 21 to 49 percent | 50 percent or more |
| Computer and Internet availability                                       |       |                               |                 |                  |                    |
| Computers available in classroom.....                                    | 84    | 85                            | 86              | 89               | 77                 |
| Computers available elsewhere in school.....                             | 95    | 94                            | 95              | 96               | 95                 |
| Internet available in classroom.....                                     | 64    | 69                            | 71              | 62               | 51                 |
| Internet available elsewhere in school.....                              | 90    | 92                            | 93              | 92               | 83                 |
| E-mail available at school.....  | 74    | 78                            | 80              | 74               | 62                 |
| Barriers to instructional use of computers and the Internet <sup>a</sup> |       |                               |                 |                  |                    |
| Not enough computers.....  | 38    | 35                            | 35              | 38               | 45                 |
| Outdated, incompatible, or unreliable computers.....                     | 25    | 22                            | 22              | 26               | 32                 |
| Internet access not easily accessible.....                               | 27    | 24                            | 20              | 27               | 36                 |
| Teacher use of computers or the Internet <sup>b</sup>                    |       |                               |                 |                  |                    |
| Create instructional material.....                                       | 78    | 79                            | 81              | 82               | 71                 |
| Gather information for lesson plans.....                                 | 59    | 61                            | 67              | 60               | 46                 |
| Administrative recordkeeping.....  | 51    | 51                            | 55              | 55               | 40                 |
| Access research and best practice examples.....                          | 37    | 39                            | 41              | 33               | 35                 |
| Multimedia presentations.....  | 36    | 40                            | 38              | 35               | 29                 |
| Access model lesson plans.....   | 34    | 35                            | 37              | 31               | 33                 |
| Student use of computers or the Internet <sup>c</sup>                    |       |                               |                 |                  |                    |
| Word processing/spreadsheets.....  | 61    | 66                            | 61              | 61               | 53                 |
| Internet research.....   | 51    | 57                            | 52              | 51               | 41                 |
| Drills.....  | 50    | 55                            | 51              | 47               | 47                 |
| Solve problems/analyze data.....   | 50    | 55                            | 50              | 48               | 45                 |
| CD-ROM research.....   | 48    | 55                            | 50              | 48               | 38                 |

<sup>a</sup>Teacher reports of "great" barriers to their use of computers or the Internet for instruction.<sup>b</sup>Teacher reports of performing activities either "a little" or "a lot" with computers or the Internet.<sup>c</sup>Teacher reports of assigning their students activities to perform using computers or the Internet.**NOTE:** Teachers who reported that computers were not available to them anywhere in the school were excluded from the analyses presented here.**SOURCE:** U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, Survey on Public School Teachers Use of Computers and the Internet, FRSS 70, 1999.

Appendix table 1-10  
**Percentage distributions of mathematics teachers, by various characteristics and grades taught: 1993 and 2000**

| Characteristic   | Grades 1–4 <sup>a</sup> |          | Grades 5–8 |          | Grades 9–12 |          |
|--|-------------------------|----------|------------|----------|-------------|----------|
|  | 1993                    | 2000     | 1993       | 2000     | 1993        | 2000     |
| <b>Sex</b>   |                         |          |            |          |             |          |
| Male.....  | 3 (1.2)                 | 4 (1.0)  | 27 (2.7)   | 24 (3.2) | 52 (2.8)    | 45 (2.0) |
| Female.....  | 97 (1.3)                | 96 (1.0) | 73 (2.5)   | 76 (3.2) | 48 (2.8)    | 55 (2.0) |
| <b>Race/ethnicity</b>  |                         |          |            |          |             |          |
| White.....   | 90 (1.1)                | 90 (1.5) | 90 (1.7)   | 86 (2.0) | 92 (1.1)    | 91 (1.1) |
| Black.....   | 4 (0.7)                 | 4 (0.7)  | 5 (0.7)    | 8 (1.6)  | 4 (0.8)     | 4 (0.8)  |
| Hispanic.....  | 5 (1.8)                 | 5 (1.3)  | 4 (1.2)    | 5 (1.4)  | 1 (0.5)     | 2 (0.3)  |
| American Indian/Alaskan Native.....                          | 0 (0.3)                 | 1 (0.2)  | 0 (0.2)    | 1 (0.3)  | 0 (0.2)     | 1 (0.3)  |
| Native Hawaiian or other Pacific Islander <sup>b</sup> ..... | NA                      | 0 (0.1)  | NA         | 0 (0.3)  | NA          | 0 (0.2)  |
| Asian <sup>c</sup> .....                                     | 1 (0.1)                 | 0 (0.2)  | 1 (0.7)    | 2 (0.6)  | 2 (0.7)     | 1 (0.3)  |
| <b>Age</b>   |                         |          |            |          |             |          |
| 30 or younger.....   | 17 (2.2)                | 21 (2.1) | 15 (3.4)   | 21 (2.7) | 13 (1.8)    | 16 (1.4) |
| 31 to 40.....  | 27 (2.6)                | 21 (1.8) | 21 (1.9)   | 24 (2.8) | 23 (2.7)    | 24 (1.5) |
| 41 to 50.....  | 32 (2.3)                | 31 (2.3) | 46 (2.9)   | 26 (3.0) | 42 (2.3)    | 29 (2.0) |
| 51 or older.....   | 23 (2.4)                | 27 (2.4) | 18 (3.1)   | 30 (3.4) | 22 (1.9)    | 30 (1.7) |
| <b>Experience</b>  |                         |          |            |          |             |          |
| 0 to 2 years.....  | 12 (1.8)                | 17 (1.8) | 12 (2.2)   | 21 (3.3) | 10 (1.2)    | 13 (1.4) |
| 3 to 5 years.....  | 14 (1.3)                | 13 (1.5) | 9 (1.4)    | 12 (1.8) | 9 (1.2)     | 15 (1.6) |
| 6 to 10 years.....   | 17 (2.3)                | 14 (1.6) | 22 (3.5)   | 16 (2.4) | 20 (3.3)    | 14 (1.5) |
| 11 to 20 years.....  | 36 (2.3)                | 26 (2.0) | 34 (2.8)   | 21 (2.5) | 28 (1.6)    | 24 (1.7) |
| 21 or more years.....  | 22 (2.7)                | 28 (2.3) | 22 (2.9)   | 31 (3.3) | 33 (1.9)    | 34 (2.0) |
| <b>Master's degree</b>                                       |                         |          |            |          |             |          |
| Yes.....   | 35 (2.4)                | 43 (2.5) | 41 (3.2)   | 45 (3.8) | 53 (2.8)    | 52 (2.2) |
| No.....  | 65 (2.4)                | 57 (2.5) | 59 (3.2)   | 55 (3.8) | 47 (2.8)    | 48 (2.2) |

NA not available

<sup>a</sup>2000 data include kindergarten teachers.

<sup>b</sup>This category did not exist in 1993.

<sup>c</sup>In 1993, this category appeared as "Asian or Pacific Islander."

**NOTE:** Standard errors are in parentheses.

**SOURCE:** Horizon Research, Inc., 2000 National Survey of Science and Mathematics Education.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002*

Appendix table 1-11

**Percentage distributions of science teachers, by various characteristics and grades taught:  
1993 and 2000**

| Characteristic   | Grades 1–4 <sup>a</sup> |          | Grades 5–8 |          | Grades 9–12 |          |
|--|-------------------------|----------|------------|----------|-------------|----------|
|  | 1993                    | 2000     | 1993       | 2000     | 1993        | 2000     |
| Sex  |                         |          |            |          |             |          |
| Male.....  | 9 (1.3)                 | 8 (1.2)  | 31 (3.3)   | 23 (3.1) | 66 (3.2)    | 50 (2.1) |
| Female.....  | 91 (1.4)                | 92 (1.2) | 69 (3.4)   | 77 (3.1) | 34 (3.2)    | 50 (2.1) |
| Race/ethnicity   |                         |          |            |          |             |          |
| White.....   | 88 (2.2)                | 88 (1.9) | 89 (2.6)   | 87 (1.8) | 95 (0.8)    | 90 (1.2) |
| Black.....   | 6 (1.8)                 | 5 (0.9)  | 6 (1.4)    | 5 (1.1)  | 3 (0.4)     | 4 (0.8)  |
| Hispanic.....  | 5 (1.2)                 | 4 (1.1)  | 1 (0.7)    | 3 (1.0)  | 1 (0.3)     | 3 (0.5)  |
| American Indian/Alaskan Native.....                          | 0 (0.3)                 | 1 (0.3)  | 0 (0.3)    | 1 (0.5)  | 1 (0.4)     | 2 (0.5)  |
| Native Hawaiian or other Pacific Islander <sup>b</sup> ..... | NA                      | 0 (0.1)  | NA         | 0 (0.1)  | NA          | 0 (0.1)  |
| Asian <sup>c</sup> .....                                     | 0 (0.3)                 | 1 (1.0)  | 3 (1.7)    | 1 (0.6)  | 1 (0.1)     | 2 (0.6)  |
| Age  |                         |          |            |          |             |          |
| 30 or younger.....   | 16 (2.3)                | 20 (2.0) | 11 (1.4)   | 19 (2.8) | 13 (1.1)    | 20 (2.5) |
| 31 to 40.....  | 26 (2.6)                | 19 (1.8) | 28 (3.0)   | 22 (3.1) | 23 (3.2)    | 23 (1.7) |
| 41 to 50.....  | 40 (2.9)                | 34 (2.1) | 36 (3.4)   | 30 (3.1) | 41 (3.4)    | 29 (1.9) |
| 51 or older.....   | 18 (2.4)                | 27 (1.9) | 25 (3.9)   | 29 (3.7) | 23 (2.7)    | 28 (1.7) |
| Experience   |                         |          |            |          |             |          |
| 0 to 2 years.....  | 13 (2.1)                | 14 (1.6) | 12 (1.9)   | 16 (2.7) | 11 (1.2)    | 16 (2.2) |
| 3 to 5 years.....  | 10 (1.5)                | 17 (1.6) | 11 (1.6)   | 9 (1.5)  | 10 (1.1)    | 16 (1.7) |
| 6 to 10 years.....   | 15 (1.7)                | 16 (1.8) | 19 (2.7)   | 19 (2.6) | 14 (3.1)    | 18 (1.4) |
| 11 to 20 years.....  | 43 (2.7)                | 27 (1.9) | 34 (3.1)   | 24 (3.3) | 30 (1.9)    | 21 (1.6) |
| 21 or more years.....  | 19 (2.7)                | 26 (2.4) | 25 (3.1)   | 32 (3.1) | 35 (2.6)    | 29 (1.7) |
| Master's degree  |                         |          |            |          |             |          |
| Yes.....   | 34 (2.8)                | 42 (2.7) | 42 (3.4)   | 51 (3.2) | 57 (2.1)    | 59 (2.3) |
| No.....  | 66 (2.8)                | 58 (2.7) | 58 (3.4)   | 49 (3.2) | 43 (2.1)    | 41 (2.3) |

NA not available

<sup>a</sup>2000 data include kindergarten teachers<sup>b</sup>This category did not exist in 1993.<sup>c</sup>In 1993, this category appeared as "Asian or Pacific Islander."**NOTE:** Standard errors are in parentheses.**SOURCE:** Horizon Research, Inc., 2000 National Survey of Science and Mathematics Education.

## Appendix table 1-12

**Race/ethnicity of students ages 6 through 21 served under IDEA, by type of disability: Academic year 1998/99**

(Percent)

| Type of disability                         | Total | White,<br>non-Hispanic | Asian/Pacific<br>Islander | Black,<br>non-Hispanic | Hispanic | American<br>Indian/Alaskan<br>Native |
|--|-------|------------------------|---------------------------|------------------------|----------|--------------------------------------|
| All resident population <sup>a</sup> ..... | 100.0 | 66.2                   | 3.8                       | 14.8                   | 14.2     | 1.0                                  |
| Students served under IDEA.....            | 100.0 | 63.6                   | 1.7                       | 20.2                   | 13.1     | 1.3                                  |
| Specific learning disabilities.....        | 100.0 | 63.0                   | 1.4                       | 18.3                   | 15.8     | 1.4                                  |
| Speech or language impairments.....        | 100.0 | 68.3                   | 2.4                       | 16.5                   | 11.6     | 1.2                                  |
| Mental retardation.....                    | 100.0 | 54.1                   | 1.7                       | 34.3                   | 8.9      | 1.1                                  |
| Serious emotional disturbance.....         | 100.0 | 61.6                   | 1.0                       | 26.4                   | 9.8      | 1.1                                  |
| Multiple disabilities.....                 | 100.0 | 66.1                   | 2.3                       | 19.3                   | 10.9     | 1.4                                  |
| Hearing impairments.....                   | 100.0 | 66.0                   | 4.6                       | 16.8                   | 16.3     | 1.4                                  |
| Orthopedic impairments.....                | 100.0 | 67.2                   | 3.0                       | 14.6                   | 14.4     | 0.8                                  |
| Other health impairments.....              | 100.0 | 75.8                   | 1.3                       | 14.1                   | 7.8      | 1.0                                  |
| Visual impairments.....                    | 100.0 | 69.5                   | 3.0                       | 14.8                   | 11.4     | 1.3                                  |
| Autism.....                                | 100.0 | 64.4                   | 4.7                       | 20.9                   | 9.4      | 0.7                                  |
| Deaf-blindness.....                        | 100.0 | 63.3                   | 11.3                      | 11.5                   | 12.1     | 1.8                                  |
| Traumatic brain injury.....                | 100.0 | 70.2                   | 2.3                       | 15.9                   | 10.0     | 1.6                                  |
| Developmental delay.....                   | 100.0 | 60.8                   | 1.1                       | 33.7                   | 4.0      | 0.5                                  |

IDEA Individuals With Disabilities Education Act

<sup>a</sup>Data for all 6- to 21-year-olds are for the 50 states and District of Columbia only. Percentages may not total 100 because of rounding.

**SOURCE:** U.S. Department of Education, Office of Special Education Programs, *Twenty-second Annual Report to Congress on the Implementation of the Individuals With Disabilities Education Act* (Washington, DC, 2000), <http://www.ed.gov/offices/OSERS/OSEP/Products/OSEP2000AnIRpt/>.

Appendix table 1-13

**Average mathematics and science scale scores in grade 8, by parents' highest level of education and race/ethnicity: 1996**

| Subject and race/ethnicity          | Parents' highest level of education |                      |                                  |                  |             |
|-------------------------------------|-------------------------------------|----------------------|----------------------------------|------------------|-------------|
|                                     | Not a high school graduate          | High school graduate | Some education after high school | College graduate | Unknown     |
| Mathematics, total.....             | 281.9 (1.8)                         | 294.0 (1.3)          | 302.4 (0.8)                      | 313.9 (1.3)      | 274.8 (2.4) |
| White.....                          | 263.7 (3.2)                         | 269.9 (1.3)          | 285.5 (1.6)                      | 290.5 (1.5)      | 268.3 (2.3) |
| Black .....                         | — —                                 | 235.0 (2.4)          | 256.8 (1.9)                      | 245.5 (3.0)      | 234.5 (2.7) |
| Hispanic.....                       | 248.2 (18.7)                        | 244.4 (19.4)         | 265.8 (16.0)                     | 262.0 (3.2)      | 236.4 (3.3) |
| Asian/Pacific Islander.....         | — —                                 | — —                  | — —                              | 289.6 (4.6)      | 258.6 (5.2) |
| American Indian/Alaskan Native..... | — —                                 | — —                  | — —                              | — —              | — —         |
| Science, total.....                 | 130.8 (1.9)                         | 140.4 (1.5)          | 155.2 (1.1)                      | 158.8 (1.2)      | 133.6 (2.4) |
| White.....                          | 140.4 (2.8)                         | 149.7 (1.5)          | 162.1 (1.3)                      | 166.6 (1.4)      | 145.4 (3.0) |
| Black .....                         | 113.6 (3.3)                         | 115.4 (2.1)          | 128.4 (2.4)                      | 126.2 (1.6)      | 111.3 (2.9) |
| Hispanic.....                       | 121.0 (3.3)                         | 125.9 (3.1)          | 134.7 (2.5)                      | 137.5 (1.9)      | 119.3 (2.8) |
| Asian/Pacific Islander.....         | — —                                 | — —                  | — —                              | 161.2 (3.5)      | 139.4 (5.0) |
| American Indian/Alaskan Native..... | — —                                 | — —                  | — —                              | — —              | — —         |

— sample size too small to permit reliable estimate

**NOTES:** Mathematics scale scores range from 0 to 500; science scale scores range from 0 to 300. Observed differences are not necessarily statistically significant. Standard errors are in parentheses.

**SOURCE:** National Center for Education Statistics, 1996 National Assessment of Educational Progress, Summary Data Tables, <http://nces.ed.gov/naep3/tables/sdt1996>.

Appendix table 1-14

**Percentage of 4th, 8th, and 12th graders agreeing with the statements "I like mathematics" and "I am good at mathematics," by sex and race/ethnicity: 2000**

| Sex and race/ethnicity              | I like mathematics |         |          | I am good at mathematics |         |          |
|-------------------------------------|--------------------|---------|----------|--------------------------|---------|----------|
|                                     | Grade 4            | Grade 8 | Grade 12 | Grade 4                  | Grade 8 | Grade 12 |
| Total.....                          | 70                 | 54      | 47       | 64                       | 65      | 53       |
| Male.....                           | 73                 | 56      | 49       | 70                       | 72      | 58       |
| Female.....                         | 67                 | 52      | 44       | 59                       | 60      | 47       |
| White.....                          | 69                 | 51      | 46       | 66                       | 68      | 54       |
| Black.....                          | 75                 | 62      | 48       | 64                       | 64      | 51       |
| Hispanic.....                       | 72                 | 53      | 47       | 56                       | 59      | 45       |
| Asian/Pacific Islander.....         | NA                 | 65      | 59       | NA                       | 70      | 56       |
| American Indian/Alaskan Native..... | 70                 | 55      | 53       | 55                       | 55      | 51       |

NA not available

**NOTES:** Questions were asked slightly differently at the different grades. Fourth graders responded on a scale of agree, undecided, disagree; 8th and 12th graders responded strongly agree, agree, undecided, disagree, strongly disagree. Percentages shown here are for respondents answering agree or strongly agree. Source table includes standard errors for individual groups.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, 2000 Mathematics Assessment, <http://nces.ed.gov/nationsreportcard/naepdata/>.

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Appendix table 1-15

**Percentage of 4th, 8th, and 12th graders agreeing with the statements "I like science" and "I am good at science," by sex and race/ethnicity: 2000**

| Sex and race/ethnicity              | I like science |         |          | I am good at science |         |          |
|-------------------------------------|----------------|---------|----------|----------------------|---------|----------|
|                                     | Grade 4        | Grade 8 | Grade 12 | Grade 4              | Grade 8 | Grade 12 |
| Total.....                          | 65             | 50      | 47       | 45                   | 47      | 39       |
| Male.....                           | 67             | 55      | 52       | 50                   | 54      | 44       |
| Female.....                         | 62             | 46      | 42       | 40                   | 41      | 34       |
| White.....                          | 65             | 51      | 48       | 48                   | 51      | 41       |
| Black.....                          | 62             | 51      | 46       | 43                   | 45      | 37       |
| Hispanic.....                       | 64             | 45      | 41       | 33                   | 33      | 26       |
| Asian/Pacific Islander.....         | NA             | 48      | 50       | NA                   | 44      | 36       |
| American Indian/Alaskan Native..... | 63             | 39      | 51       | 46                   | 33      | 38       |

NA not available

**NOTE:** Source table includes standard errors for individual groups.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, 2000 Science Assessment, <http://nces.ed.gov/nationsreportcard/naepdata/>.

Appendix table 1-16

**Percentage of students ages 6 through 21 with disabilities receiving special education services, by environment: Academic years 1989/90–1997/98**

| Year         | Total | Outside regular classroom, but in regular school building |                                 |                             |                                 | Separate facility |         | Residential facility |         | Home/hospital |
|--------------|-------|---|---------------------------------|-----------------------------|---------------------------------|-------------------|---------|----------------------|---------|---------------|
|              |       | Total   | Less than 21 percent of the day | 21 to 60 percent of the day | More than 60 percent of the day | Public            | Private | Public               | Private |               |
| 1989/90..... | 100.0 | 93.9  | 31.5                            | 37.5                        | 24.9                            | 3.2               | 1.3     | 0.7                  | 0.3     | 0.6           |
| 1990/91..... | 100.0 | 94.4  | 32.8                            | 36.5                        | 25.1                            | 2.9               | 1.3     | 0.6                  | 0.3     | 0.6           |
| 1991/92..... | 100.0 | 94.7  | 34.9                            | 36.3                        | 23.5                            | 2.5               | 1.4     | 0.6                  | 0.3     | 0.5           |
| 1992/93..... | 100.0 | 94.9  | 39.8                            | 31.7                        | 23.4                            | 2.4               | 1.2     | 0.6                  | 0.3     | 0.5           |
| 1993/94..... | 100.0 | 95.6  | 43.4                            | 29.5                        | 22.7                            | 2.2               | 1.0     | 0.5                  | 0.3     | 0.6           |
| 1994/95..... | 100.0 | 95.7  | 44.5                            | 28.7                        | 22.4                            | 2.0               | 1.0     | 0.5                  | 0.3     | 0.6           |
| 1995/96..... | 100.0 | 95.6  | 45.3                            | 28.7                        | 21.6                            | 2.1               | 1.0     | 0.4                  | 0.3     | 0.6           |
| 1996/97..... | 100.0 | 95.7  | 45.8                            | 28.5                        | 21.4                            | 2.1               | 1.0     | 0.4                  | 0.3     | 0.5           |
| 1997/98..... | 100.0 | 95.9  | 46.4                            | 29.0                        | 20.4                            | 1.8               | 1.0     | 0.4                  | 0.3     | 0.5           |

NOTE: Percentages may not total 100 because of rounding.

SOURCE: U.S. Department of Education, Office of Special Education Programs, *Twenty-second Annual Report to Congress on the Implementation of the Individuals With Disabilities Education Act* (Washington, DC, 2000), <http://www.ed.gov/offices/OSERS/OSEP/Products/OSEP2000AnlRpt/>.

*Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002*

Appendix table 1-17

**Percentage of students ages 6 through 21 with disabilities receiving special education services, by type of disability and educational environment: Academic year 1997/98**

| Type of disability                  | Total | Outside regular classroom, but in regular school building |                                 |                             | Separate facility | Residential facility | Home/hospital |
|-------------------------------------|-------|---|---------------------------------|-----------------------------|-------------------|----------------------|---------------|
|                                     |       | Total   | Less than 21 percent of the day | 21 to 60 percent of the day |                   |                      |               |
| All disabilities.....               | 100.0 | 95.8  | 46.4                            | 29.0                        | 20.4              | 2.9                  | 0.7           |
| Specific learning disabilities..... | 100.0 | 99.1  | 43.8                            | 39.3                        | 16.0              | 0.6                  | 0.2           |
| Speech or language impairments..... | 100.0 | 99.5  | 87.8                            | 7.3                         | 4.4               | 0.3                  | 0.1           |
| Mental retardation.....             | 100.0 | 93.9  | 12.6                            | 29.6                        | 51.7              | 5.2                  | 0.6           |
| Serious emotional disturbance.....  | 100.0 | 81.8  | 25.0                            | 23.3                        | 33.5              | 13.1                 | 1.6           |
| Multiple disabilities.....          | 100.0 | 72.4  | 10.0                            | 17.3                        | 45.1              | 22.3                 | 2.9           |
| Hearing impairments.....            | 100.0 | 83.3  | 38.8                            | 19.1                        | 25.4              | 7.4                  | 9.2           |
| Orthopedic impairments.....         | 100.0 | 94.1  | 46.6                            | 21.3                        | 26.2              | 3.7                  | 0.3           |
| Other health impairments.....       | 100.0 | 93.5  | 41.4                            | 33.8                        | 18.3              | 1.7                  | 0.3           |
| Visual impairments.....             | 100.0 | 85.5  | 48.1                            | 20.1                        | 17.3              | 6.7                  | 7.1           |
| Autism.....                         | 100.0 | 83.1  | 18.3                            | 12.7                        | 52.1              | 14.6                 | 1.8           |
| Deaf-blindness.....                 | 100.0 | 63.9  | 13.6                            | 11.3                        | 39.0              | 19.9                 | 14.8          |
| Traumatic brain injury.....         | 100.0 | 86.1  | 29.8                            | 26.2                        | 30.1              | 9.8                  | 1.6           |

NOTE: Percentages may not total 100 because of rounding.

SOURCE: U.S. Department of Education, Office of Special Education Programs, *Twenty-second Annual Report to Congress on the Implementation of the Individuals With Disabilities Education Act* (Washington, DC, 2000), <http://www.ed.gov/offices/OSERS/OSEP/Products/OSEP2000AnlRpt/>.

Appendix table 1-18

**Students ages 6 through 21 served under the Individuals With Disabilities Education Act, by type of disability: Academic years 1989/90 and 1998/99**

| Type of disability                  | 1989/90   |         | 1998/99   |         | Percent change |
|-------------------------------------|-----------|---------|-----------|---------|----------------|
|                                     | Number    | Percent | Number    | Percent |                |
| All disabilities.....               | 4,253,018 | 100.0   | 5,541,166 | 100.0   | 30.3           |
| Specific learning disabilities..... | 2,062,076 | 48.5    | 2,817,148 | 50.8    | 36.6           |
| Speech or language impairments..... | 974,256   | 22.9    | 1,074,548 | 19.4    | 10.3           |
| Mental retardation.....             | 563,902   | 13.3    | 611,076   | 11.0    | 8.4            |
| Serious emotional disturbance.....  | 381,639   | 9.0     | 463,262   | 8.4     | 21.4           |
| Multiple disabilities.....          | 87,957    | 2.1     | 107,763   | 1.9     | 22.5           |
| Hearing impairments.....            | 57,906    | 1.4     | 70,883    | 1.3     | 22.4           |
| Orthopedic impairments.....         | 48,050    | 1.1     | 69,495    | 1.3     | 44.6           |
| Other health impairments.....       | 52,733    | 1.2     | 220,831   | 4.0     | 318.7          |
| Visual impairments.....             | 22,866    | 0.5     | 26,132    | 0.5     | 14.3           |
| Autism.....                         | NA        | NA      | 53,576    | 1.0     | NA             |
| Deaf-blindness.....                 | 1,633     | —       | 1,609     | —       | -1.5           |
| Traumatic brain injury.....         | NA        | NA      | 12,933    | 0.2     | NA             |
| Developmental Delay.....            | NA        | NA      | 11,910    | 0.2     | NA             |

— less than 0.05 percent

NA not available

**NOTES:** Data from 1989/90 include children with disabilities served under Chapter 1 of the Elementary and Secondary Education Act. Percentages may not total 100 because of rounding.

**SOURCE:** U.S. Department of Education, Office of Special Education Programs, *Twenty-second Annual Report to Congress on the Implementation of the Individuals With Disabilities Education Act* (Washington, DC, 2000). <http://www.ed.gov/offices/OSERS/OSEP/Products/OSEP2000AnlRpt/>.

Appendix table 1-19

**Percentage of 25- to 29-year-olds who had completed high school, by race/ethnicity and sex: 1971–99**

| Year      | Total |      |        | White, non-Hispanic |      |        | Black, non-Hispanic |      |        | Hispanic |      |        |
|-----------|-------|------|--------|---------------------|------|--------|---------------------|------|--------|----------|------|--------|
|           | Total | Male | Female | Total               | Male | Female | Total               | Male | Female | Total    | Male | Female |
| 1971..... | 77.7  | 79.1 | 76.5   | 81.7                | 83.0 | 80.5   | 58.8                | 56.7 | 60.5   | 48.3     | 51.3 | 45.7   |
| 1972..... | 79.8  | 80.5 | 79.2   | 83.4                | 84.1 | 82.7   | 64.1                | 61.7 | 66.0   | 47.6     | 47.1 | 47.9   |
| 1973..... | 80.2  | 80.6 | 79.8   | 84.0                | 84.2 | 83.9   | 64.1                | 63.2 | 64.9   | 52.3     | 54.2 | 50.6   |
| 1974..... | 81.9  | 83.1 | 80.8   | 85.5                | 86.0 | 85.0   | 68.4                | 71.5 | 65.8   | 54.1     | 55.9 | 52.5   |
| 1975..... | 83.1  | 84.5 | 81.7   | 86.6                | 88.0 | 85.2   | 71.1                | 72.3 | 70.1   | 53.1     | 52.2 | 53.9   |
| 1976..... | 84.7  | 86.0 | 83.5   | 87.7                | 89.0 | 86.4   | 74.0                | 72.8 | 74.9   | 58.1     | 57.6 | 58.4   |
| 1977..... | 85.4  | 86.6 | 84.2   | 88.6                | 89.2 | 88.0   | 74.5                | 77.5 | 72.0   | 58.0     | 61.9 | 54.6   |
| 1978..... | 85.3  | 86.0 | 84.6   | 88.5                | 88.8 | 88.2   | 77.4                | 78.7 | 76.3   | 56.5     | 58.5 | 54.6   |
| 1979..... | 85.6  | 86.3 | 84.9   | 89.2                | 89.8 | 88.5   | 74.7                | 74.0 | 75.3   | 57.1     | 55.5 | 58.6   |
| 1980..... | 85.4  | 85.4 | 85.5   | 89.2                | 89.1 | 89.2   | 76.7                | 74.8 | 78.3   | 57.9     | 57.0 | 58.8   |
| 1981..... | 86.3  | 86.5 | 86.1   | 89.8                | 89.7 | 89.9   | 77.6                | 78.8 | 76.6   | 59.8     | 59.1 | 60.4   |
| 1982..... | 86.2  | 86.3 | 86.1   | 89.1                | 89.1 | 89.1   | 81.0                | 80.4 | 81.5   | 61.0     | 60.6 | 61.2   |
| 1983..... | 86.0  | 86.0 | 86.0   | 89.3                | 89.3 | 89.3   | 79.5                | 79.0 | 79.9   | 58.4     | 57.8 | 58.9   |
| 1984..... | 85.9  | 85.6 | 86.3   | 89.4                | 89.4 | 89.4   | 79.1                | 75.9 | 81.7   | 58.6     | 56.7 | 60.1   |
| 1985..... | 86.2  | 85.9 | 86.4   | 89.5                | 89.2 | 89.9   | 80.5                | 80.6 | 80.5   | 61.0     | 58.6 | 63.1   |
| 1986..... | 86.1  | 85.9 | 86.4   | 89.6                | 88.7 | 90.4   | 83.5                | 86.4 | 81.0   | 59.1     | 58.2 | 60.0   |
| 1987..... | 86.0  | 85.5 | 86.4   | 89.4                | 88.9 | 90.0   | 83.5                | 84.5 | 82.6   | 59.8     | 58.6 | 61.0   |
| 1988..... | 85.9  | 84.7 | 87.1   | 89.7                | 88.4 | 90.9   | 80.9                | 80.9 | 80.9   | 62.3     | 59.9 | 64.8   |
| 1989..... | 85.5  | 84.4 | 86.5   | 89.3                | 88.2 | 90.4   | 82.3                | 80.5 | 83.8   | 61.0     | 61.0 | 61.1   |
| 1990..... | 85.7  | 84.4 | 87.0   | 90.1                | 88.6 | 91.6   | 81.8                | 81.4 | 82.0   | 58.2     | 56.6 | 59.9   |
| 1991..... | 85.4  | 84.9 | 85.8   | 89.8                | 89.2 | 90.5   | 81.8                | 83.6 | 80.1   | 56.7     | 56.4 | 57.2   |
| 1992..... | 86.3  | 86.1 | 86.5   | 90.6                | 90.3 | 91.1   | 80.9                | 82.7 | 79.3   | 60.9     | 61.1 | 60.6   |
| 1993..... | 86.7  | 86.0 | 87.4   | 91.2                | 90.7 | 91.8   | 82.7                | 84.8 | 80.8   | 60.9     | 58.2 | 63.9   |
| 1994..... | 86.1  | 84.5 | 87.6   | 91.1                | 90.0 | 92.3   | 84.1                | 82.8 | 85.3   | 60.3     | 58.0 | 63.0   |
| 1995..... | 86.9  | 86.3 | 87.4   | 92.5                | 92.0 | 93.0   | 86.8                | 88.4 | 85.3   | 57.2     | 55.7 | 58.7   |
| 1996..... | 87.3  | 86.5 | 88.1   | 92.6                | 92.0 | 93.1   | 86.0                | 87.9 | 84.5   | 61.1     | 59.7 | 62.9   |
| 1997..... | 87.4  | 85.8 | 88.9   | 92.9                | 91.7 | 94.0   | 86.9                | 85.8 | 87.8   | 61.8     | 59.2 | 64.8   |
| 1998..... | 88.1  | 86.6 | 89.6   | 93.6                | 92.5 | 94.6   | 88.2                | 88.4 | 88.1   | 62.8     | 59.9 | 66.3   |
| 1999..... | 87.8  | 86.1 | 89.5   | 93.0                | 91.9 | 94.1   | 88.7                | 88.2 | 89.2   | 61.6     | 57.4 | 65.9   |

**NOTES:** The Current Population Survey (CPS) questions used to gauge educational attainment were changed in 1992. For 1971 to 1991, high school completers were counted as those who had completed 4 years of high school (but may not have had a diploma or equivalency certificate). For 1992 to 1999, high school completers were considered those with a high school diploma or an equivalency certificate. The CPS covers the civilian, noninstitutionalized population of the 50 states and Washington, D.C. Included in total are other racial/ethnic groups not shown separately.

**SOURCE:** U.S. Bureau of the Census, March Current Population Survey, various years.

Appendix table 1-20

**Percentage of students with disabilities age 14 and older exiting special education, by type of disability and basis of exit: Academic year 1997/98**

| Type of disability                  | Total exiting special education | Graduated with diploma | Graduated with certificate | Reached maximum age | Returned to regular education | Moved, known to be continuing | Moved, not known to be continuing | Died | Dropped out |
|-------------------------------------|---------------------------------|------------------------|----------------------------|---------------------|-------------------------------|-------------------------------|-----------------------------------|------|-------------|
| All disabilities.....               | 100.0                           | 28.4                   | 5.8                        | 0.9                 | 13.3                          | 23.8                          | 11.5                              | 0.3  | 15.9        |
| Specific learning disabilities..... | 100.0                           | 33.1                   | 4.5                        | 0.3                 | 13.1                          | 22.0                          | 11.1                              | 0.2  | 15.7        |
| Speech or language impairments..... | 100.0                           | 17.5                   | 2.2                        | 0.3                 | 48.6                          | 15.1                          | 8.6                               | 0.1  | 7.6         |
| Mental retardation.....             | 100.0                           | 24.8                   | 17.1                       | 3.6                 | 4.4                           | 23.1                          | 9.6                               | 0.6  | 16.6        |
| Serious emotional disturbance.....  | 100.0                           | 15.6                   | 2.4                        | 0.5                 | 9.8                           | 33.5                          | 16.9                              | 0.2  | 21.2        |
| Multiple disabilities.....          | 100.0                           | 26.8                   | 12.2                       | 8.6                 | 3.8                           | 27.4                          | 7.7                               | 3.1  | 10.3        |
| Hearing impairments.....            | 100.0                           | 43.3                   | 8.5                        | 1.1                 | 9.5                           | 21.0                          | 8.3                               | 0.3  | 8.0         |
| Orthopedic impairments.....         | 100.0                           | 35.7                   | 6.3                        | 2.2                 | 20.8                          | 17.6                          | 7.8                               | 2.5  | 7.2         |
| Other health impairments.....       | 100.0                           | 30.5                   | 3.2                        | 0.4                 | 25.3                          | 21.1                          | 8.0                               | 0.8  | 10.7        |
| Visual impairments.....             | 100.0                           | 46.8                   | 6.9                        | 1.7                 | 8.3                           | 19.9                          | 7.3                               | 0.9  | 8.2         |
| Autism.....                         | 100.0                           | 25.8                   | 18.0                       | 9.3                 | 5.2                           | 28.2                          | 7.1                               | 0.7  | 5.7         |
| Deaf-blindness.....                 | 100.0                           | 55.7                   | 7.6                        | 7.2                 | 2.5                           | 15.2                          | 5.1                               | 2.1  | 4.6         |
| Traumatic brain injury.....         | 100.0                           | 42.3                   | 8.3                        | 2.2                 | 6.8                           | 20.5                          | 9.3                               | 1.0  | 9.6         |

NOTE: Percentages may not total 100 because of rounding.

SOURCE: U.S. Department of Education, Office of Special Education Programs, *Twenty-second Annual Report to Congress on the Implementation of the Individuals With Disabilities Education Act* (Washington, DC, 2000), <http://www.ed.gov/offices/OSERS/OSEP/Products/OSEP2000AnlRpt/>.